

INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP2004/051320

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C23C28/00 C23C16/26 C23C16/02

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C23C

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, INSPEC

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	DE 100 18 143 A (BALZERS HOCHVAKUUM) 25 October 2001 (2001-10-25) page 3, paragraph 19-28 page 9, paragraph 95 - page 11, paragraph 110	1,2,5,6, 8-10,12, 13,15
A	US 6 126 793 A (KOIKE RYOTA ET AL) 3 October 2000 (2000-10-03) column 6, lines 1-7,16-22 column 18, line 29 - column 19, line 34 column 20, lines 1-26 column 20, line 53 - column 21, line 16 ----- -/-	1,2,6, 8-10,12

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
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- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
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Date of the actual completion of the international search

6 October 2004

Date of mailing of the international search report

15/10/2004

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 6 033 533 A (KOIKE RYOTA ET AL) 7 March 2000 (2000-03-07) column 6, lines 1-7, 16-23 column 18, line 29 - column 19, line 34 column 20, line 53 - column 21, line 16 -----	1, 2, 6, 8-10, 12
A	HUANG R F ET AL: "Wear-resistant multilayered diamond-like carbon coating prepared by pulse biased arc ion plating" DIAMOND AND RELATED MATERIALS, ELSEVIER SCIENCE PUBLISHERS, AMSTERDAM, NL, vol. 10, no. 9-10, September 2001 (2001-09), pages 1850-1854, XP004321135 ISSN: 0925-9635 page 1851, paragraph 2 page 1852, paragraph 3; figure 3; table 1 -----	1, 2, 5-12
A	DENG J ET AL: "DLC multilayer coatings for wear protection" DIAMOND AND RELATED MATERIALS, ELSEVIER SCIENCE PUBLISHERS, AMSTERDAM, NL, vol. 4, no. 7, 15 May 1995 (1995-05-15), pages 936-943, XP004066766 ISSN: 0925-9635 page 937, paragraph 2; figure 1 page 938, paragraph 4 -----	1, 2, 5-12, 14, 15
A	VOEVODIN A A ET AL: "Design of a Ti/TiC/DLC functionally gradient coating based on studies of structural transitions in Ti-C thin films" THIN SOLID FILMS, ELSEVIER-SEQUOIA S.A. LAUSANNE, CH, vol. 298, no. 1-2, 20 April 1997 (1997-04-20), pages 107-115, XP004125924 ISSN: 0040-6090 page 109; figure 3; table 1 page 110; figures 4, 5 page 113; figure 9 -----	1, 2, 6, 8-10, 15

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

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